

To ship Sept 21/15

Work Order ID 136303

September 01, 2015 1:08:58 PM

136303

50122966

Item ID: 646.4003

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/8/2015

Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: SH

12015090

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

646.4000

B

DAS
02
9-89

MLJ 1509-03

DAS

02

9-89

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 646.4003

SEP 22 2015

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
06
9-89

DAS
27
9-89

SEP 02 2015

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS

02

9-89

SEP 22 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																									
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				QC / QA Coordinator Approval																																																																									
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Work Order ID 136303***136303***

Page 2

September 01, 2015 1:08:58 PM

Item ID: 646.4003

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 9/8/2015 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							DAS 02 9-89
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 646.4003 Location : FG101								SEP 2 8 2015
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

MLJ SEP 22 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

Picklist Print

September 01, 2015 1:09:05 PM

Page 1

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.12.23 NEW ISSUE DD VERF:JLM
15.01.08 AS PER DWG REV.B DD VERF:JLM

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301 *646 3301* Upper Cutter Assy	DAS 02 9-89	Manufactured	No				Each	2.0000	**	1		DAS 6 9-89	DAS 27 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				CCK042			2						
				123396			2						
646.3001 *646 3001* Lower Cutter Assy	DAS 02 9-89	Manufactured	No				Each	2.0000	**	1		DAS 6 9-89	DAS 27 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				CCK045			2						
				124733			2						
646.2910 *646 2910* Deflector	DAS 02 9-89	Manufactured	No				Each	6.0000	**	1		DAS 6 9-89	DAS 27 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				CCK050			6						
				123356			6						
646.3510 *646 3510* Strut	DAS 02 9-89	Manufactured	No				Each	8.0000	**	1		SEP 02 2015	DAS 6 9-89
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				cck15a			8						
				127077			8						

Picklist Print

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Page 2

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

646.3511 Manufactured No

Each 5.0000 1

646 3511

Strut

DAS
02
9-89

Location

Loc Qty

Loc Code

cck102

5

102891

4

127082

1

**

DAS

DAS
27
9-89

647.0112 Manufactured No

Each 171.0000 2

647 0112

Strut Bracket

DAS
02
9-89

Location

Loc Qty

Loc Code

CCK109

171

112215

16

122245

5

122871

36

123318

22

M130388

92

**

SEP 02 2015

DAS

6

9-89

DAS
27
9-89

647.7703 Manufactured No

Each 0.0000 2

647 7703

Strut Assembly

DAS
02
9-89

**

135 785

DAS

6

9-89

DAS

27

9-89

Picklist Print

September 01, 2015 1:09:06 PM

Page 3

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

Each

2,017.000

120

NAS1149F0332P

Washer

DAS
02
9-89

Location

Loc Qty

Loc Code

DAS

6

9-89

DAS

27

9-89

GA

210

122063

210

ST260a

1714

m128401

6

m131026

80

m131697

628

m133077

1000

st268

93

123900

7

m130388

86

MS21042L3

Purchased

No

Each

1,069.000

53

MS21042L3

Nut

DAS
02
9-89

Location

Loc Qty

Loc Code

DAS

6

9-89

DAS

27

9-89

FP001

384

M130922

384

GA

233

M131317

233

ST305

452

116549

12

126333

49

M128754

2

M132123

17

M132382

2

M132883

17

M132930

353

SI

SEP 02 2015

September 01, 2015 1:09:06 PM

Shop Packet Print

Page 3

Picklist Print

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Page 4

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

646.3110 DAS Manufactured No

Each 0.0000

646 3110 DAS 02 9-89

**

1
BBSM7

DAS 6 9-89

DAS 27 9-89

Channel

MS24694-S51

Purchased No

Each 187.0000

5

MS24694-S51

Screw

DAS 02 9-89

**

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

ST289

187

m130928

187

Each

60.0000

1

AN3-13A

Purchased No

AN3-13A

Bolt

DAS 02 9-89

**

DAS 27 9-89

Location

Loc Qty

Loc Code

CA

3

m129682

3

GA

20

m127070

20

ST349

37

m131305

37

Each

33.0000

1

646.3711

Manufactured No

646 3711

Clip

DAS 02 9-89

**

DAS 6 9-89

DAS 27 9-89

Location

Loc Qty

Loc Code

cck103

33

120626

33

SEP 02 2015

Picklist Print

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Page 5

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

646.3712 Manufactured No

Each 23.0000 1

646 3712

Clip

DAS
02
9-89

**

DAS
6
9-89
DAS
27
9-89

Location

Loc Qty

Loc Code

cck103

23

101119

1

120630

22

646.3811 Manufactured No

Each 19.0000 1

646 3811

Radius Block

DAS
02
9-89

**

DAS
6
9-89
DAS
27
9-89

Location

Loc Qty

Loc Code

cck104

19

110717

4

122938

15

AN3-6A Purchased No

Each 194.0000 2

AN3-6A

Bolt

DAS
02
9-89

**

DAS
6
9-89
DAS
27
9-89

Location

Loc Qty

Loc Code

ST338a

100

M131305

100

ST349

94

M133064

94

MS24694-S55 Purchased No

Each 99.0000 1

MS24694-S55

Screw

DAS
02
9-89

**

SEP 02 2015 DAS
6
9-89
DAS
27
9-89

Location

Loc Qty

Loc Code

ST289

99

m132803

99

646.3610 Manufactured No

Each 0.0000 1

646 3610

Filler

DAS
02
9-89

**

1/35625 SV DAS
27
9-89

September 01, 2015 1:09:06 PM

Shop Packet Print

Page 5

Picklist Print

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Page 6

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

AN3-5A Purchased No

Each 198.0000 2

AN3-5A

Bolt
DAS
02
9-89

**

DAS
0
9-89
DAS
27
9-89

Location Loc Qty Loc Code

CA 132

m129682 132

GA 66

m131420 66

MS27039-1-12 Purchased No

Each 110.0000 6

MS27039-1-12

Screw
DAS
02
9-89

**

DAS
0
9-89
DAS
27
9-89

Location Loc Qty Loc Code

ST285 110

m128799 2

m131317 8

m133031 100

646.3716 Manufactured No

Each 4.0000 1

646 3716

Gauge Bracket
DAS
02
9-89

**

DAS
0
9-89
DAS
27
9-89

Location Loc Qty Loc Code

cck103 4

133105 4

MS20426AD5-7 Purchased No

Each 122.0000 2

MS20426AD5-7

RIVET
DAS
02
9-89

**

DAS
0
9-89
DAS
27
9-89

Location Loc Qty Loc Code

ST312 122

101340 22

M132767 100

SEP 02 2015

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Shop Packet Print

Page 6

Picklist Print

September 01, 2015 1:09:07 PM

Page 7

Work Order ID: 136303

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Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

MS24694-S54

Purchased

No

Each

92.0000

2

MS24694-S54

SCREW

DAS
02
9-89

Location

Loc Qty

Loc Code

ST289

92

m130388

6

m133031

86

MS27039-1-21

Purchased

No

Each

424.0000

4

MS27039-1-21

Screw

DAS
02
9-89

Location

Loc Qty

Loc Code

ST273A

395

m127904

395

ST284

29

m126319

29

MS27039-1-20

Purchased

No

Each

214.0000

2

MS27039-1-20

Screw

DAS
02
9-89

Location

Loc Qty

Loc Code

ST284

214

124326

214

MS27039-1-19

Purchased

No

Each

93.0000

22

MS27039-1-19

Screw

DAS
02
9-89

Location

Loc Qty

Loc Code

GA

32

m124326

32

ST285

61

m127904

61

DAS
6
9-89

DAS
27
9-89

DAS
6
9-89

DAS
27
9-89

DAS
6
9-89

DAS
27
9-89

DAS
6
9-89

SEP 02 2015

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Page 8

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00 DAS 27 9-89

646.3718

Manufactured No

Each

0.0000

2

646.3718

Custom Washer

AN3-11A

AN3-11A

Bolt

DAS
02
9-89

DAS

02

Purchased

No

Each

114.0000

10

**

**

(35559)

SEP 10 2015

Location

Loc Qty

Loc Code

ST338a

114

m125709

14

m132823

100

10

DAS
6
9-89
SEP 02 2015

600.0990

Purchased

No

Each

47.0000

1

600 0990

MAGNABOND 6398 PART A

DAS
02
9-89

**

DAS
27
9-89

Location

Loc Qty

Loc Code

CA2

26

M131589

26

2/11/2016

PKG

21

M129818

21

7/16/2015

1

1

600.0991

Purchased

No

Each

47.0000

600 0991

MAGNOBOND 6398 PART B

DAS
02
9-89

**

DAS
27
9-89

Location

Loc Qty

Loc Code

CA2

27

m131589

27

2/11/2016

PKG

20

M129818

20

7/16/2015

1

Picklist Print

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Page 9

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

600.1012	Purchased	No	Each	17.0000	1			
600 1012						**		
Sealant PR1425B2 (#654 sem)							DAS 6 27 9-89	DAS 27 9-89

2015-04-2016

DAS
02
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
cck017	15	
m132805	15	
cck018	2	
m129749	1	
m131364	1	10/30/2015

600.0129	Purchased	No	f	272.0000	8			
600 0129						**		
VHB TAPE 75935A651							DAS 6 27 9-89	DAS 27 9-89

DAS
02
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
CCK095	272	
m131311	272	

600.1013	Purchased	No	Each	910.0000	5			
600 1013						**		
021200-3M TAPE PRIMER 94 PRIMER 24216							DAS 6 27 9-89	DAS 27 9-89

DAS
02
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
CCK095	910	
m131145	910	6/15/2016

646.3910	Manufactured	No	Each	36.0000	4			
646 3910						**		
Shim							DAS 6 27 9-89	DAS 27 9-89

DAS
02
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
cck104	36	
122951	36	

SEP 02 2015

SEP 02 2015

Picklist Print

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Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

646.3911 Manufactured No

Each 76.0000 1

646 3911

Shim

DAS
02
9-89

Location

Loc Qty

Loc Code

cck023

50

126059

50

cck104

18

126229

18

k023a

8

123075

8

**

DAS
6 27
9-89 9-89

646.3912 Manufactured No

Each 65.0000 4

646 3912

Shim

DAS
02
9-89

101
changer

Location

Loc Qty

Loc Code

cck023a

60

123143

50

124501

10

cck104

5

103082

1

123530

4

**

DAS
6 27
9-89 9-89

646.3913 Manufactured No

Each 115.0000 1

646 3913

Shim

DAS
02
9-89

Location

Loc Qty

Loc Code

cck023a

25

124108

25

cck023aq

82

126060

82

cck104

8

100136

2

126231

6

**

DAS
6 27
9-89 9-89
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Page 11

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

AN3-12A

Purchased

No

Each

88.0000

2

AN3-12A
Bolt

DAS
02
9-89

**

DAS
6
9-89
BAS
27
9-89

Location

Loc Qty

Loc Code

GA

44

m129682

44

ST349

44

m133064

44

MS27039-1-16

Purchased

No

Each

168.0000

2

MS27039-1-16

Screw

DAS
02
9-89

**

SEP 02 2015
BAS
27
9-89

Location

Loc Qty

Loc Code

ST285

168

m130388

4

m131317

64

m132344

100

650.9201

Manufactured

No

Each

0.0000

2

650 9201

Eyelet Bracket Assembly

DAS
02
9-89

**

136204

DAS
6
9-89
BAS
27
9-89

AN44-5A

Purchased

No

Each

14.0000

2

AN44-5A

Eyebolt

DAS
02
9-89

**

DAS
6
9-89
BAS
27
9-89

Location

Loc Qty

Loc Code

ST339

14

124241

4

m126193

10

SEP 02 2015

Picklist Print

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Page 12

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

AN665-34R

Purchased

No

Each

12.0000

2

AN665-34R

Clevis

DAS
02
9-89

Location

Loc Qty

Loc Code

ST330

12

M130388

4

M133031

8

DAS
27
6
9-89

AN4C7A

Purchased

No

Each

64.0000

2

AN4C7A

BOLT

DAS
02
9-89

Location

Loc Qty

Loc Code

ST345

64

m127363

64

DAS
6
9-89

DAS
27
9-89

NAS1149F0432P

Purchased

No

Each

954.0000

4

NAS1149F0432P

WASHER

DAS
02
9-89

Location

Loc Qty

Loc Code

ST260a

500

M132551

500

st268

454

M128995

63

M130388

8

M132677

383

SEP 02 2015

DAS
6
9-89

DAS
27
9-89

Picklist Print

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Page 13

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

2,274.000

2

MS21042L 4

Locknut

DAS
02
9-89

Location

Loc Qty

Loc Code

FP001

2

m124231

2

GA

122

m127813

122

ST260a

170

m130799

56

m131803

6

m132262

108

ST305

1980

m128300

8

m130388

7

m130922

97

m131618

12

m132123

56

m132382

1800

2

AN316C4R

Purchased

No

Each

15.0000

2

AN316C4R

NUT

DAS
02
9-89

Location

Loc Qty

Loc Code

ST331

15

m127618

15

2

SEP 02 2015

DAS
02
9-89

Picklist Print

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Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

MS21042-3 MS21042L3 Purchased No

Each 549.0000

MS21042-3

Nut / use MS21042L3

DAS
02
9-89

Location

Loc Qty

Loc Code

CA

501

M129682

501

ST305

48

M128770

10

M129541

15

M130388

23

**

2
M132930

DAS
6
9-89

DAS
27
9-89

MS27039-08-13

Purchased No

Each 411.0000

MS27039-08-13

Screw

DAS
02
9-89

Location

Loc Qty

Loc Code

ST273A

346

124326

346

ST281

65

4067

61

M130388

4

**

2

DAS
6
9-89

DAS
27
9-89

MS21042-08

MS21042L08

Purchased No

Each 33.0000

MS21042-08

USE MS21042L08

DAS
02
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

**

2

M131697

DAS
6
9-89

DAS
27
9-89

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Picklist Print

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Page 15

Work Order ID: 136303

136303

Parent Item: 646.4003

646 4003

Parent Item Name: Cable Cutter System W/O Fixed Provisions

Start Date: 9/1/2015

Required Date: 9/8/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1149FN832P

Purchased

No

Each

2,400.000

4

NAS1149FN832P

**

Washer

DAS
02
9-89

Location

Loc Qty

Loc Code

ST260a

1479

125268

1479

st268

921

M130388

921

4

SEP 02 2015

DAS
02
9-89

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04731

SHEET 1 OF 2

DWG NO. 646.4000

REV: A

PREPARED
BY

J. SOTO

DATE: 11/04/2014

EFFECT ON DWG

☒ INC. ☐ UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR

MFG

QC

EFF.

NEXT ORDER

TRANSACTION CODES (TC):

A-ADD
R-REVISEC-CREATE
D-DELETE

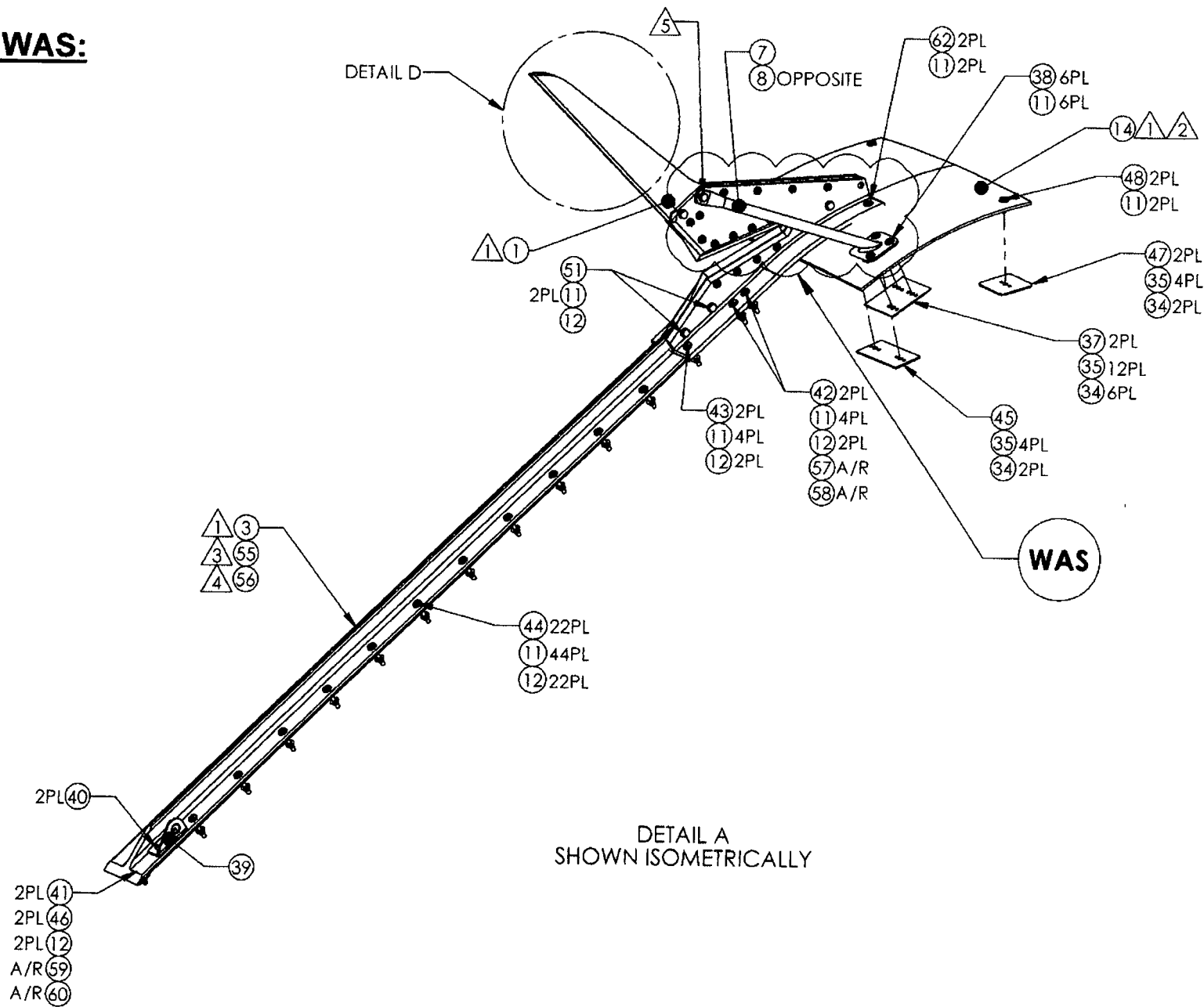
REASON: REVISED BOM. INCORPORATED ECN 03046 AND 03079.

20150901

SH

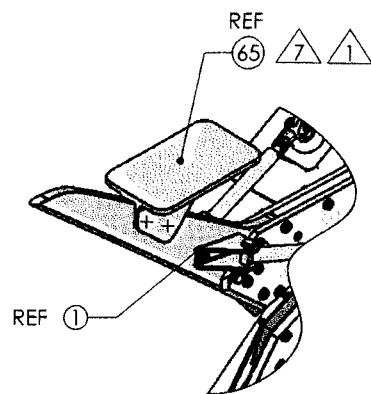
136303

76	A	601.2764	4	4	WASHER	NAS1149FN832P	
75	A	601.2973	2	2	LOCKNUT	MS21042-08	
74	A	601.2988	2	2	SCREW	MS27039-0813	
73	A	601.2943	2	2	LOCKNUT	MS21042-3	
72	A	601.3128	2	2	NUT	AN316C4R	
71	A	601.3209	2	2	LOCKNUT	MS21042L4	
70	A	601.2638	4	4	WASHER	NAS1149F0432P	
69	A	601.2669	2	2	BOLT	AN4C7A	
68	A	601.3119	2	2	CLEVIS	AN665-34R	
67	A	601.3121	2	2	EYE BOLT	AN44-57	
66	A	650.9201	2	2	EYE BRACKET ASSY		
51	R	601.2926	10	10	BOLT	AN3-11A	
12	R	601.1624	53	61	LOCKNUT	MS21042L3	
11	R	601.1607	120	138	WASHER	NAS1149F0332P	
8	R	647.7703	2	2	STRUT ASSY		
7	R	647.0112	2	2	STRUT BRACKET		
F/N	TC	PART NUMBER	.4003	.4001			
			QTY		DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:						CHANGE CATEGORY	DER REVIEW REQUIRED
☐ MDL ☒ INSTALL INSTRUCTIONS ☒ ICA ☐ FMS ☒ BOM						☐ MAJOR ☒ MINOR	☐ YES ☒ NO

SHEET 2 WAS:

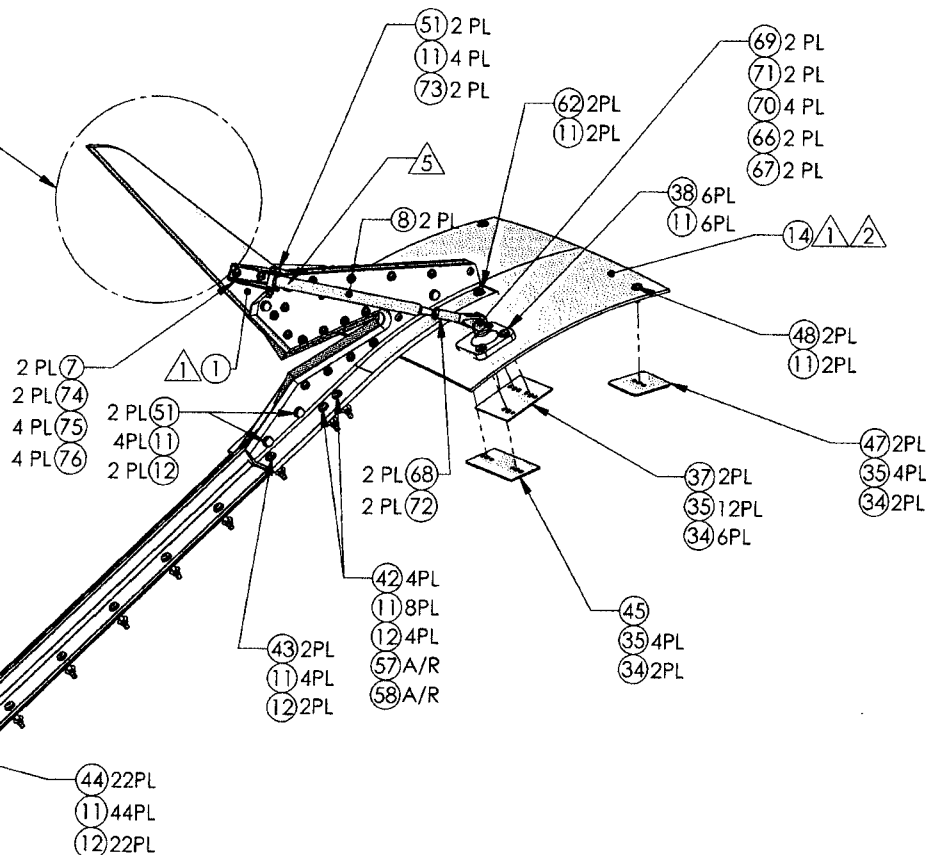
QTY	ORIGINAL DATE MAY 04 1997	QD 27-08	PARTS LIST		
NEXT ASSY (S)	EXAMINER S. HUFF	CHECKER P. BRAYO	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300		
DRAWING APPROVAL BOLAN 08-27-08		AS350 CABLE CUTTERS KIT			
CONTRACT NO.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONAL DIMENSIONS 1/2 DECIMAL DIMENSIONS 2.005 ANGLES 30°			
UNLESS OTHERWISE SPECIFIED		SIZE	CAGE CODE	DATE	NO.
		B	07M36	646.4000	B
		SCALF	NONF	1	6

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DETAIL D
TYPICAL GPS MOUNT KIT INSTALLATION

DETAIL D

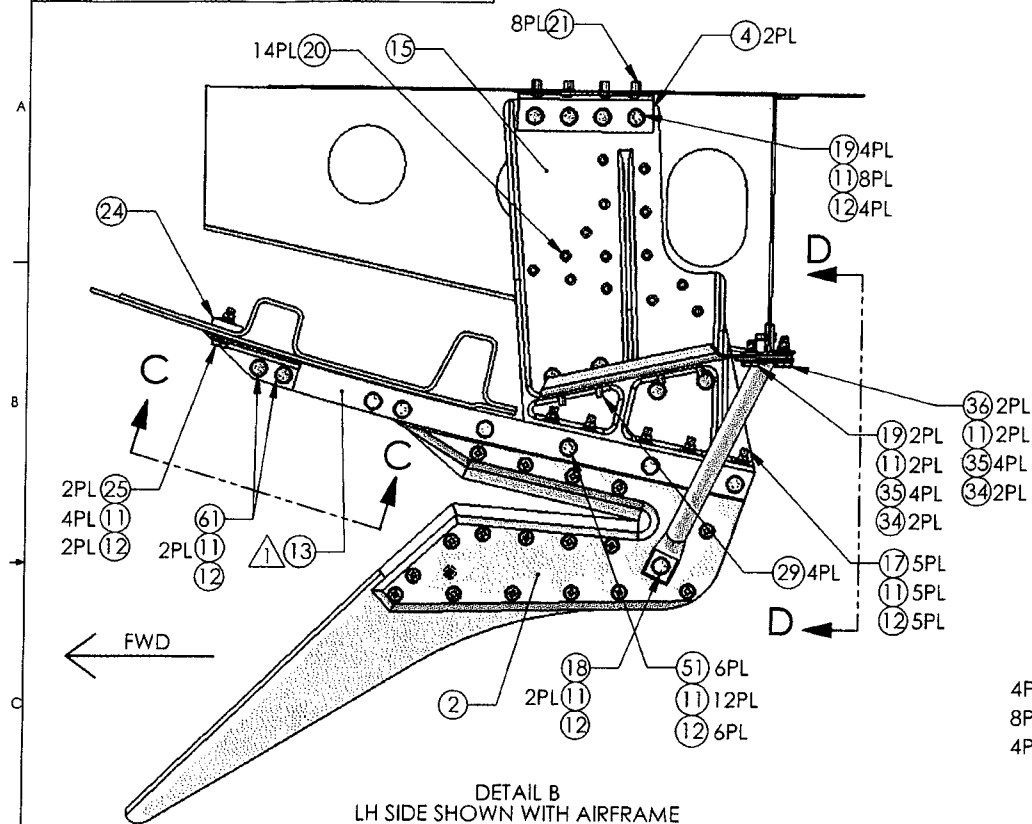


DETAIL A
SHOWN ISOMETRICALLY

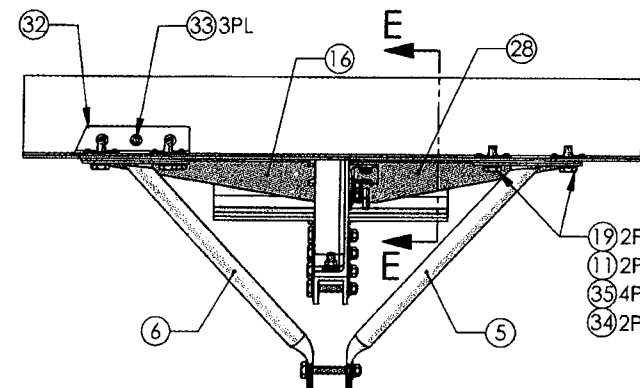
ORIGINAL DATE (DD-MM-YY) 08-27-08		APICAL INDUSTRIES	
DESIGNED BY L. HUFF	CHECKED BY P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL P. BRAVO		AS350 CABLE CUTTERS KIT	
CONTRACT NO.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	
SIZE B	CAGE CODE 07M16	DWG. NO. 646.4000	REV. B
SCALE: NONE		SHEET 2 OF 4	

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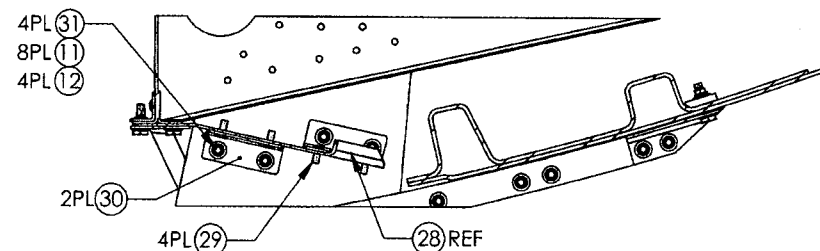
REVIEWS			
REV.	DESCRIPTION	DATE	APPROVED



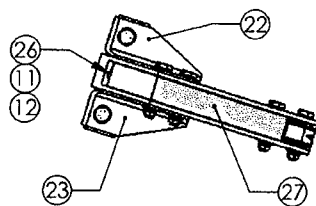
DETAIL B
LH SIDE SHOWN WITH AIRFRAME



SECTION D-D
CUTTER HIDDEN FOR CLARITY



SECTION E-E

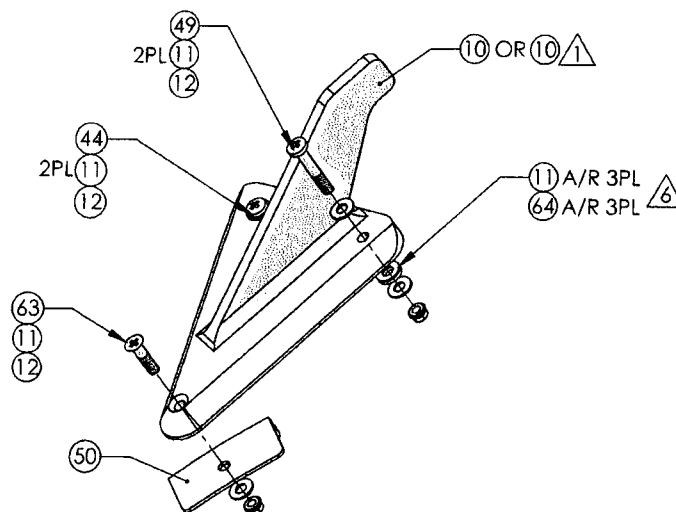


SECTION C-C

ORIGINAL DATE 08-27-08		APICAL INDUSTRIES	
DRAWN BY L. HUFF	CHECKED P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		AS350 CABLE CUTTERS KIT	
CONTRACT NO.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		SIZE B	REV 8
CAGE CODE 07MA26		DWG. NO. 646.4000	SHEET 3 OF 4

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



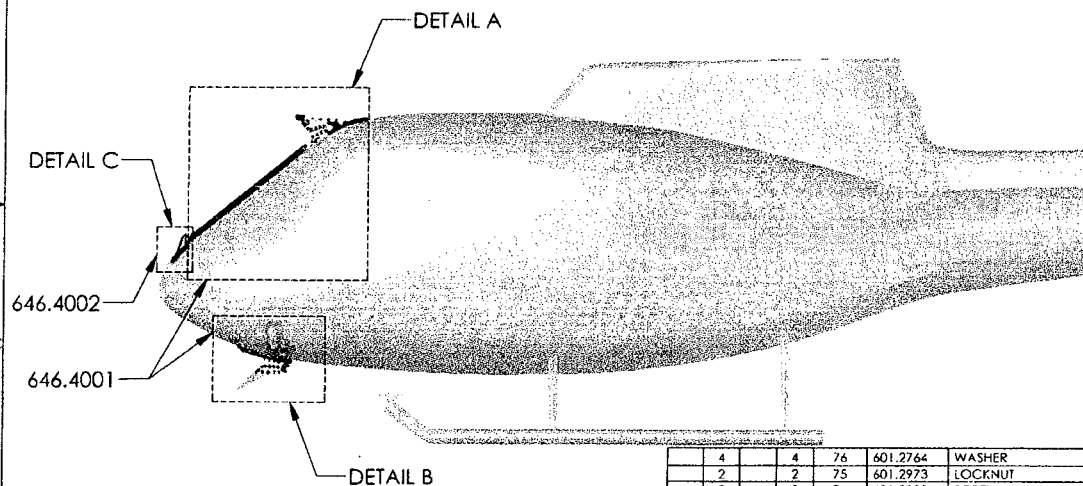
DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE (MM-DD-YY) 06-27-08		APICAL INDUSTRIES	
DRAWN BY: CREED		2608 TEMPLE HEIGHTS DR.	
1. HUB		OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL P. BRAVO		AS350 CABLE CUTTERS KIT	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET B	REV B
SCALE NONE		SHEET 4 OF 4	

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NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- 2 INSTALL F/N 14 WITH F/N 52 & 53
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR : MCMMASTER-CARR P/N 75935A651
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE
VENDOR: R.S. HUGHES P/N 021200-24216
- 5 REUSE FASTENERS FROM F/N 1
- 6 USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1

[illegible][illegible]